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Richland Operations Office
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Richland, Washington 99352

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SEP 3 0 1998

Mr. Steve M. Alexander
Perimeter Areas Section Manager
Nuclear Waste Program
State of Washington
Department of Ecology
1315 W. Fourth Avenue
Kennewick, Washington 99336-6018

Mr. Douglas R. Sherwood
Hanford Project Manager
U.S. Environmental Protection Agency
712 Swift Boulevard, Suite 5
Richland, Washington 99352-0539

Dear Messrs. Alexander and Sherwood:

FULFILLMENT OF HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER (TRI-PARTY AGREEMENT) INTERIM MILESTONE M-93-03, COMPLETE 105-C REACTOR INTERIM SAFE STORAGE (ISS) LARGE SCALE DEMONSTRATION PROJECT

This letter is to document that the subject milestone M-93-03, defined in the Tri-Party Agreement, was completed on September 29, 1998, one day ahead of schedule. The scope of work tied to this milestone includes the completion of all activities necessary to place the 105-C Reactor facility in a safe configuration in preparation for final disposition.

As shown in Figure 1, attached, the original footprint of C-Reactor has successfully been reduced by 81 percent. The C-Reactor Project has effectively achieved the ISS concept to provide adequate shielding for the reactor core up to 75 years, minimize the contaminant releases to the environment, significantly reduce surveillance and maintenance inspections to once every five year period, and place the reactor in a stabilized condition that would not preclude future decommissioning alternatives or increase costs.

The C-Reactor Project has also successfully demonstrated 20 large-scale innovative field technologies as a coordinated effort with the Science and Technology Division (EM-50) within this fiscal year. Each demonstration was evaluated based upon technical applicability, cost, and performance standards. The focus of these technologies ranged from characterization, decontamination, demolition, waste minimization, facility stabilization, and health and safety enhancements. The U.S. Department of Energy (DOE) has already pursued opportunities for deployment of these technologies to support similar ISS activities for the remaining 7 Hanford reactors.

In order to adequately protect the safe storage enclosure (SSE) from the elements and prevent any unauthorized access (i.e., biological intrusion, etc.) a new weatherproof roof was installed utilizing the existing reactor block shield walls. This galvanized aluminum-zinc roof is more cost effective and expected to maintain the same durable life as the original stainless steel roof design. A remote monitoring system was also installed to continuously monitor for changing conditions within the reactor SSE and identify any confinement system or structural repairs as the Bechtel Hanford, Inc.'s (BHI) Surveillance, Maintenance, and Transition Project assume custody of the reactor facility.

DOE is proud of the accomplishments that completion of C-Reactor ISS represents, and realizes that this achievement could not have been possible without the excellent coordination and teamwork between the U.S. Environmental Protection Agency, the State of Washington Department of Ecology, and the BHI project team.

If you want to discuss this matter further or require additional information, please contact Mr. Glenn Richardson, Project Manager, at 373-9629.

Sincerely,

J. D. Goodenough, Senior Project Manager
Decontamination and Decommissioning Project

George H. Sanders, Administrator
Hanford Tri-Party Agreement

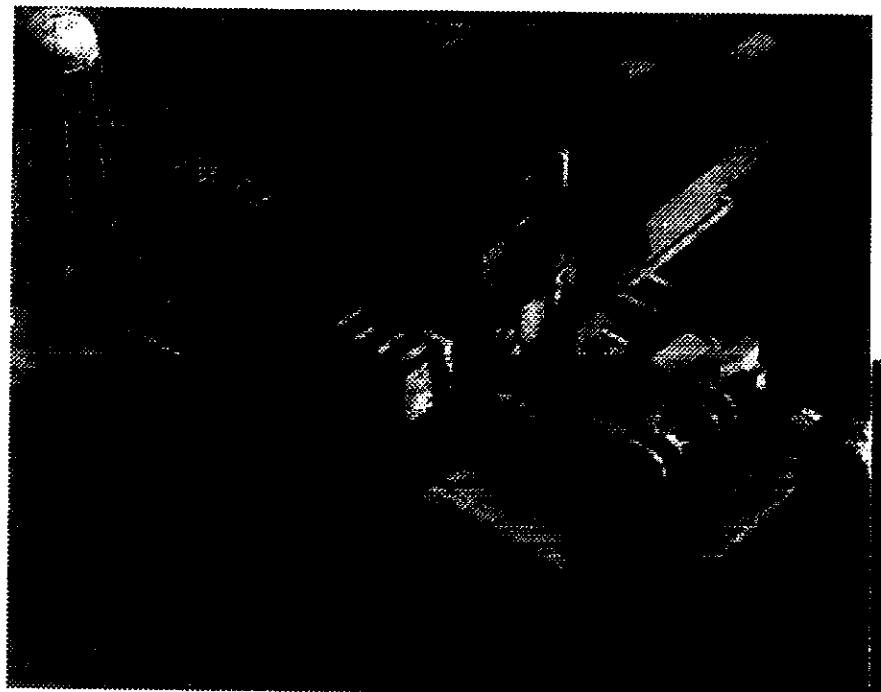
DDP:GR

Attachment

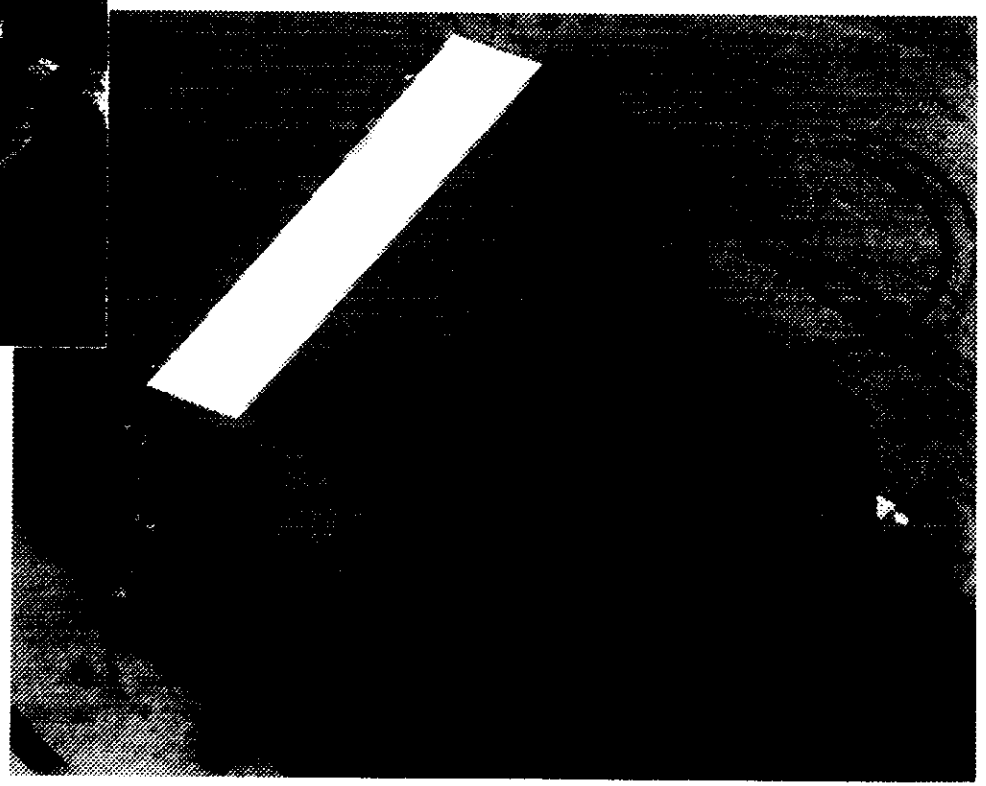
cc w/o attach:
M. L. Blazek, Oregon DOE
R. Jim, YIN
D. L. Powaukee, NPT
M. B. Reeves, HAB
J. R. Wilkinson, CTUIR

cc w/attach:
L. D. Arnold, FDH
R. F. Stanley, Ecology

C Reactor Interim Safe Storage Project



Prior to Demolition
(September 1996)



Completed Safe Storage Enclosure
(September 1998)

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